

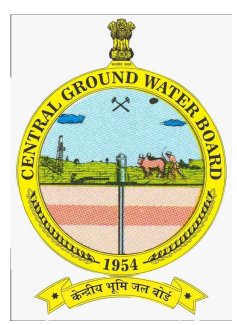
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86°0'0"E

86°10'0"E

86°20'0"E

86°30'0"E

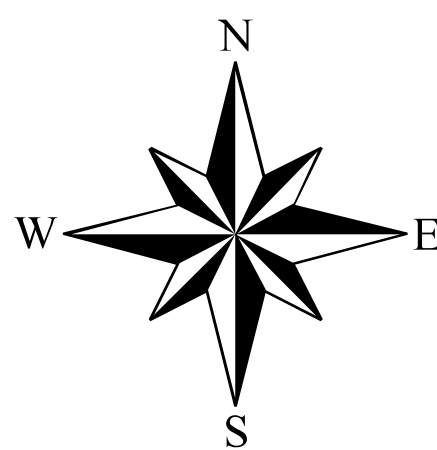


Government of India
Department of Water Resources, River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Central Ground Water Board (CGWB)

District Recharge Plan

Begusarai District

Bihar State



25°50'0"N

25°50'0"N

25°40'0"N

25°40'0"N

25°30'0"N

25°30'0"N

25°20'0"N

25°20'0"N

25°10'0"N

25°10'0"N

85°50'0"E

86°0'0"E

86°10'0"E

86°20'0"E

86°30'0"E

PATNA

SAMASTIPUR

KHAGARIA

MUNGER

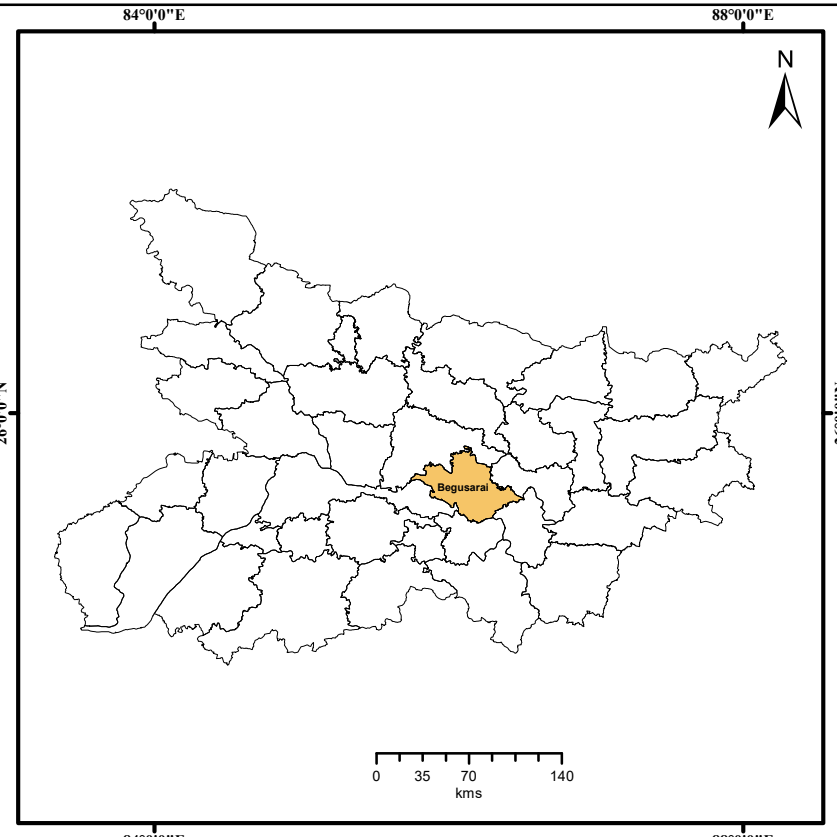
LAKHISARAI

0 4 8 16
Kms

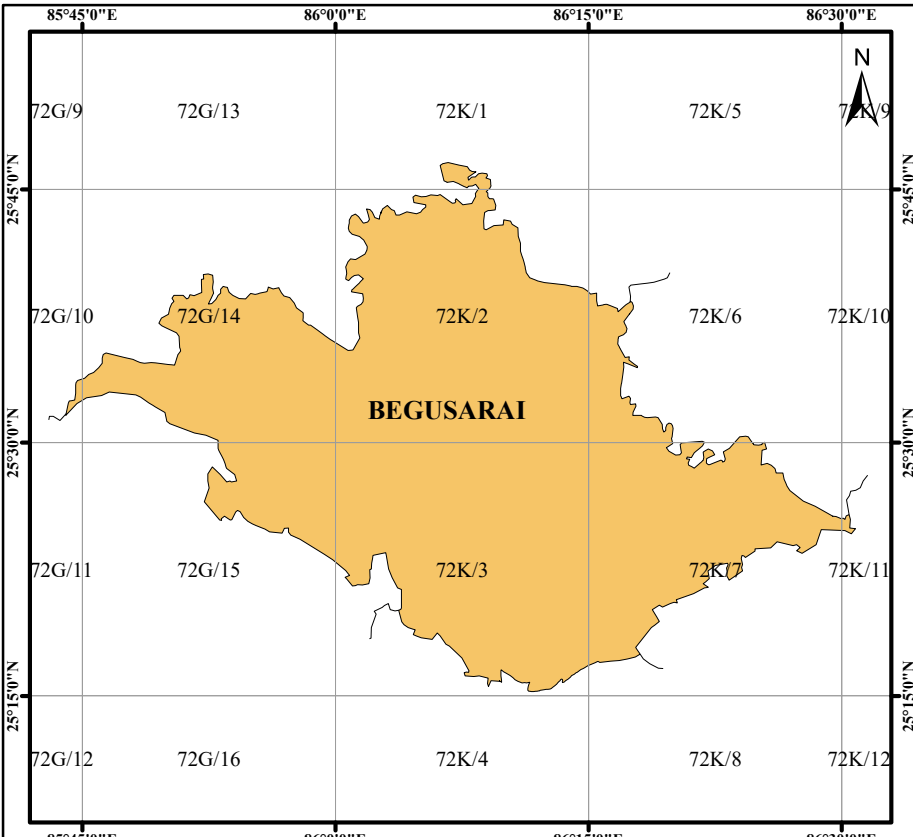
Index

	Associated Boundary
	District Boundary
	Block HQ
	Block Boundary
	Village Boundary
	Watershed Boundary
	River
	Desiltation of oxbow lakes
	Drainage
	Railway Line
	Major Road

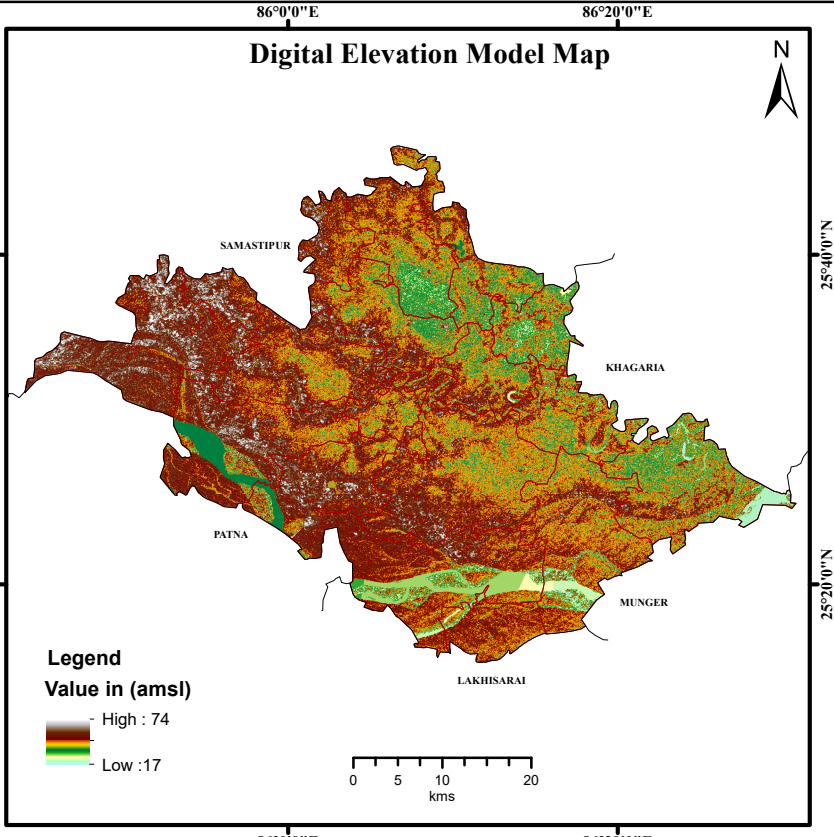
Index Map Of Bihar



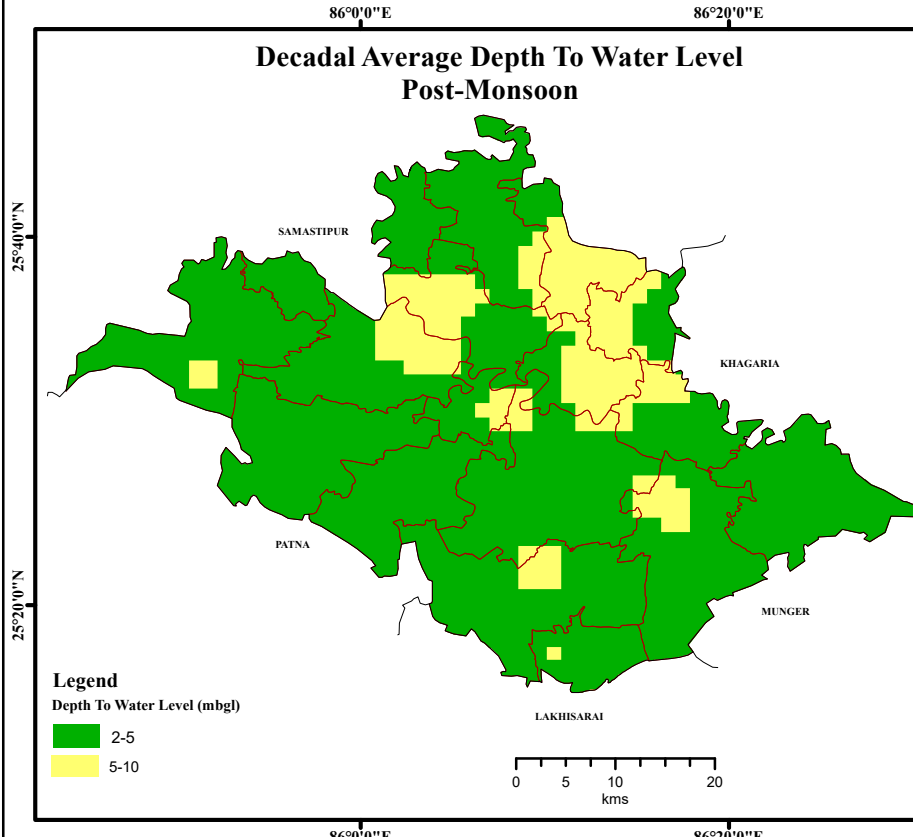
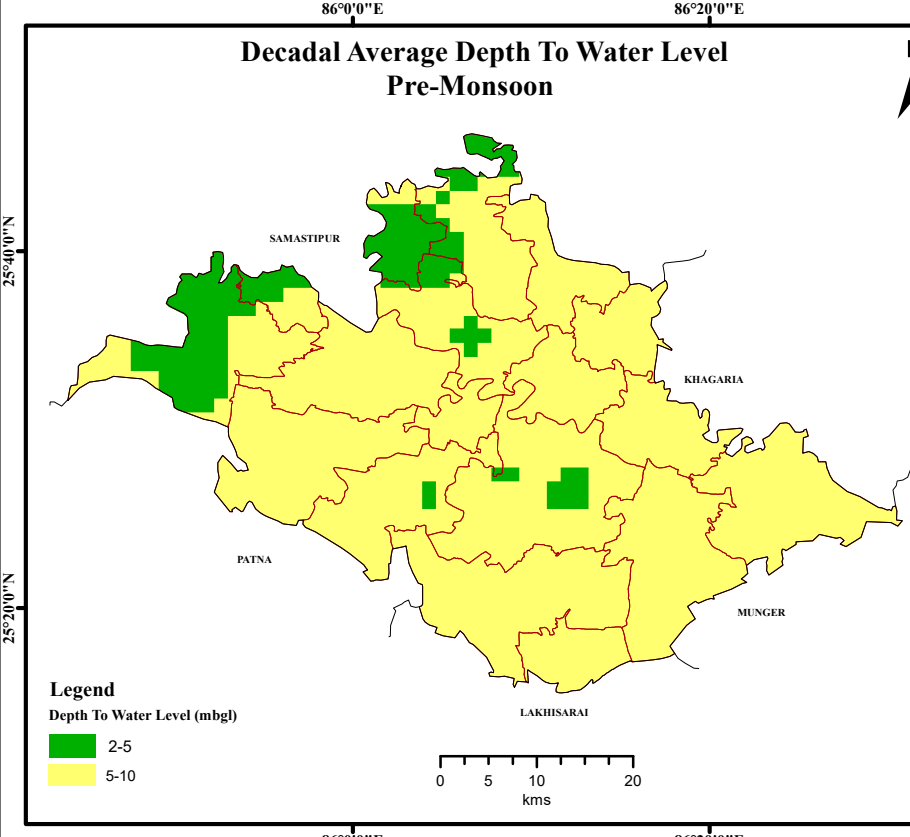
SOI Toposheet Index



Digital Elevation Model



Depth to Water Level Maps



General Features

Geographical Area (Sq. Km)	1918
Blocks (Nos.)	18
Panchayat Villages (Nos.)	229
Urban Habitats (Nos.)	6
Normal Annual Rainfall (mm)	1104.7
Area Suitable for Artificial Recharge (Sq. Km)	763.36
Sub-Surface Storage Potential (MCM)	64.66
Source Water Requirement (MCM)	99.58
Total Surplus Runoff Available (MCM)	1177.03

Artificial Recharge Structures

Type Of Structure	No. Of Proposed Structure
Percolation Tank	13
Injection Well	43
Renovation Of Pond/Ahar/Pyne	204
Urban Area	Roof Top Rain water Harvesting Structures.All Govt. Buildings & Houses with Roof Area >200Sq.m
Area Suitable For Artificial Recharge	

Principal Aquifers

Index	Principal Aquifer
Younger Alluvium (AL01)	

Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	3.9
Max	8.3
Major Range	5-10
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	2.84
Max	6.49
Major Range	2-5

Ground Water Quality

Water quality Parameter	Permissible limit	Obtained Value	Mandals showing more than permissible limits
Electrical Conductivity (µs/cm)	< 3000	581-4622	Sahebpur Kamal, Cheria bariarpur
Fluoride (mg/l)	< 1.5	0.2-1	Nil
Nitrate (mg/l)	< 45	0-43.23	Nil

Salient Features

Major Geomorphic Landform	Active Meander Belt/Older Flood Plain/Majhul Terrace
Major Issues	Arsenic Contamination -07, Blockish Water = Cheria Bariarpur,Number Of OCS Block = 4 (GWRE 2022)
Cropping Pattern (%)	Main: Paddy, Soyabean, Wheat, Sugarcane, Mustard, Red Chilies, Potato and Other Vegetable Crops
Land Utilization%	

*Location of the proposed Artificial Recharge Structures shows on the map are indicative and require field verification.
Central Ground Water Board (CGWB), Mid Eastern Region, Bihar, Email: rdmer-cgwb@nic.in